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 Application No.
 09/855,292

**Information Disclosure Statement
 by Applicant**

(Use several sheets if necessary)

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 Applicant
 William W. Macy

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 Group Art Unit
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U.S. Patent Documents

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| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|----------|-------|----------|----------------------------|
| | AA | | | | | | |

Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
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| | AB | | | | | | | |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|--|
| DRV | AC | Ting et al., "Error-Diffused Image Compression using a Binary-to-Gray-Scale Decoder and Predictive Pruned Tree-Structured Vector Quantization" IEEE Transactions on Image Processing, Vol. 3, No. 6 (1994) |
| | AD | Hein et al., "Halftone to Continuous-Tone Conversion of Error-Diffusion Coded Images" IEEE Transactions on Image Processing, Vol. 4, No. 2 (1995) |
| | AE | Kim et al., "Inverse Halftoning Using Binary Permutation Filters" IEEE Transactions on Image Processing, Vol. 4, No. 9 (1995) |
| | AF | Wong "Inverse Halftoning and Kernel Estimation for Error Diffusion" IEEE Transactions on Image Processing, Vol. 4, No. 4 (1995) |
| | AG | Xiong et al., "Inverse Halftoning Using Wavelets" Dept of Electrical Engineering, University of Hawaii, Honolulu, HI 96822 Dept of Electrical Engineering, Princeton University, 569-572. |
| | AH | Jarvis et al., "A Survey of Techniques for the Display of Continuous Tone Pictures on Bilevel Displays" Computer Graphics Image Processing 5: 13-40 (1976) |
| | AI | Gonzalez "Digital Image Processing" (Index) Addison Wesley, first edition, 1992 |
| | AJ | Hamming "Digital Filters" (Index) Englewood Cliffs, NJ: Prentice-Hall, 1976 |
| | AK | Stevenson "Inverse Halftoning via MAP Estimation" IEEE Transactions on Image Processing Vol. 6, No. 4 (1997) |
| | AL | Ostromoukhov, et al., "Multi-level Colour Halftoning Algorithms" Ecole Polytechnique Fédérale, Lausanne, Switzerland, SPIE 2949:332-340 (1996) |
| | AM | Floyd et al., "An adaptive algorithm for spatial grey scale", Proc. Soc. Inf. Display, 17, pp. 75-77 (1976) |
| | AN | Eschbach et al., "Error-diffusion algorithm with edge enhancement" JOSA (A), (12):1844-1850, 1991 |
| | AO | Martins et al., "Halftone coding with JBIG2" Journal of Electronic Imaging 9(1), 52-60 (2000) |
| | AP | |
| | AQ | |
| | AR | |

Examiner Signature

Date Considered

Feb. 27, 04

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.